PCT/US2004/001267

Brain Heart Brain Placenta Heart Kidney Lung Liver Liver Skeletal Muscle Kidney Pancreas Lung Pancreas Sk. Muscle Spleen Spleen Thymus Prostate Hypothalamus **Testis** Islet Marker H20 Ovary Genomic DNA Small intestine Colon PBL \mathbf{C} Kidney Amygdala Cerebral cortex Hippocampus Substantia nigra Islet Thalamus Fat cell Water Genomic DNA

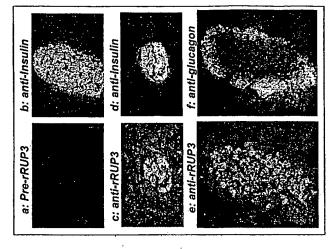
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Ⅲ ■ Marker

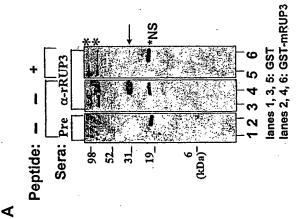
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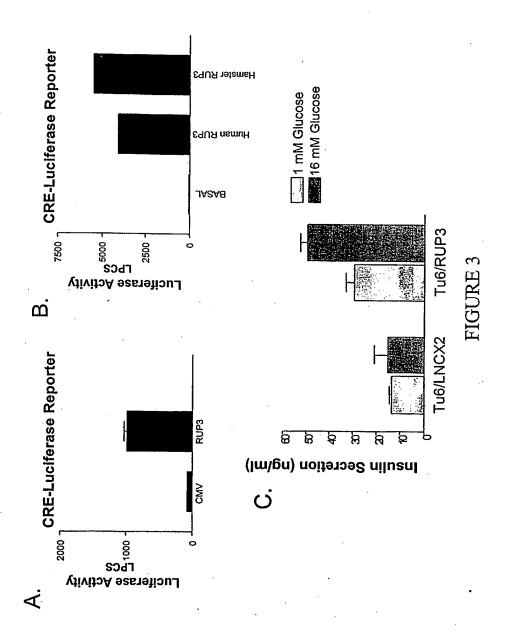
Marker



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IGURE 2



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Tu6 ATC-9

RIN-14B

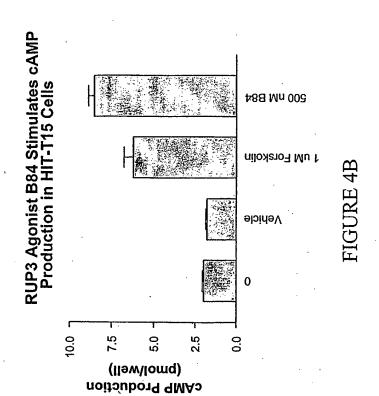
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RUP3 RNA Blot

FIGURE 4A

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RUP3 Agonist Stimulates Insulin Secretion in HIT-T15 Cells

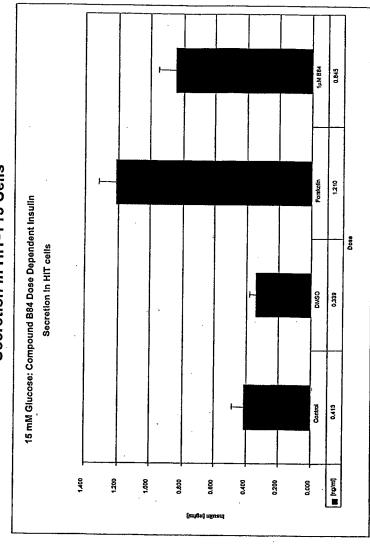
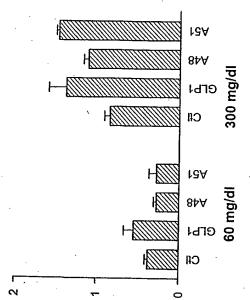
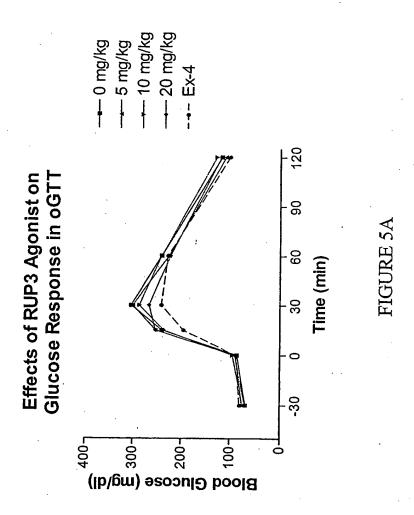


FIGURE 4C







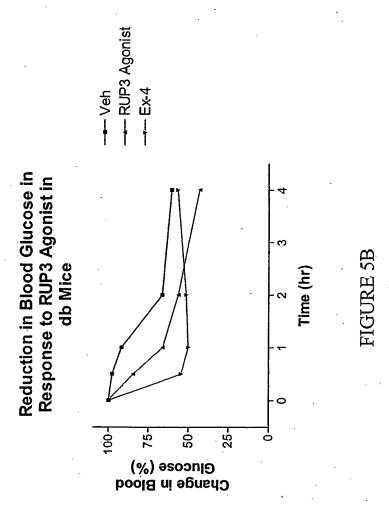


Figure 6

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